What is claimed is:

1. A paper/plastic laminate comprising:

a paper web having a top and bottom surface,

a plastic film having a top surface and a bottom surface, the top surface of the plastic film being adhered by a 100 percent solids adhesive to the bottom surface of the paper web forming a paper/plastic laminate, the paper/plastic laminate being dimensionally stable;

wherein the top surface of the plastic film includes at least one printed image; and

wherein the paper web is treated to inhibit penetration of the 100 percent solids adhesive.

2. The paper/plastic laminate of claim 1 wherein the paper web is treated with a metal salt at the rate of about 50 pounds per 1000 pounds of starch or more.

3. The paper/plastic laminate of claim 2 wherein the metal salt is sodium nitrate.

4. The paper/plastic laminate of claim 2 wherein the metal salt is sodium chloride.

5. The paper/plastic laminate of claim 1 wherein the plastic film has a thermal heat shrinkage of less than about 2.0 percent.

6. The paper/plastic laminate of claim 1 wherein the plastic film has a mechanical tensile strength greater than about 29,000 psi.

7. The paper/plastic laminate of claim 1 wherein the printable paper sheet has an opacity greater than about 77 percent.

8. The paper/plastic laminate of claim 1 further comprising optical brightening agents sufficient to give an overall brightness greater than about 83 GE brightness.

9. The paper/plastic laminate of claim 1 further comprising a sizing agent positioned within the paper top surface.

10. The paper/plastic laminate of claim 1 wherein the paper has a surface treatment creating an electrostatic level greater than 10^9 SER.

11. The paper/plastic laminate of claim 10 wherein the electrostatic level is less than about 10^{12} SER.

12. The paper/plastic laminate of claim 11 wherein the surface treatment comprises a sodium compound.

13. The paper/plastic laminate of claim 12 wherein the surface treatment comprises sodium nitrate.

14. The paper/plastic laminate of claim 12 wherein the surface treatment comprises sodium chloride.

15. The paper/plastic laminate of claim 1 wherein the paper has an overall moisture content less than about 5 percent.

16. The paper/plastic laminate of claim 15 wherein the paper has an overall moisture content between about 4 and 5 percent.

17. The paper/plastic laminate of claim 1 further comprising a second paper web having a top surface , the top surface of the second paper web being laminated to the bottom surface of the plastic film bottom using a 100 percent solids adhesive; and

wherein the second paper web is treated to inhibit penetration of the 100 percent solids adhesive.

18. The paper/plastic laminate of claim 17, wherein the bottom surface of the plastic film includes at least one printed image.

19. The method of making a dimensionally stable paper/plastic laminate comprising:

selecting a paper web that is treated to inhibit penetration of a 100 percent solids adhesive, the paper web having a bottom surface,

selecting a plastic film having a top surface,

printing at least one image on the top surface of the plastic film, and

laminating the paper web bottom surface to the plastic film top surface using a 100 percent solids adhesive, the paper web, plastic film and 100 percent solids adhesive being selected such that the laminated combination is dimensionally stable.

20. The method of claim 19 comprising the additional step of laminating a top surface of a second paper web to a bottom surface of the plastic film.

21. The method of claim 19 comprising the additional steps of printing at least one image on a bottom surface of the plastic film prior to laminating a top surface of a second paper web to a bottom surface of the plastic film.